



CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Audit Information:

Utility: Big Bear City Community Services District PWS ID: 3610008
System Type: Potable Audit Period: Fiscal Year 2016/17
Utility Representation: Jerry Griffith (Water superintendent), Donna Horn (Office manager)
Validation Date: 9/6/2017 Call Time: 9am Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 49 Data Validity Band (level): Band II (26-50)
ILI: 1.08 Real Loss: 20.47 (gal/conn/day) Apparent Loss: 1.9 (gal/conn/day)
Non-revenue water as percent of cost of operating system: 3.5%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Validator Information:

Water Audit Validator: Reinhard Sturm / Carolyn Prescott (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

Validator Provided

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Water System Name: Big Bear City Community Services District Water System ID Number: 3610008 Water Audit Period: Fiscal Year 2016/17

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

We have scheduled to have pump efficiency testing and meter accuracy testing for the 2017/18 fiscal budget. We are also looking into implementing a customer meter testing program.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Jerry Griffith

Water Superintendent



9-27-2017